BRUHAT BANGALORE MAHANAGARA PALIKE

Project: Allied works for Sweep smart Project& other Repairs Works for DWCC centre in ward no 4

Job Code: 004-21-000001 P Code:0274

Sl. No.	Schedule-B Description of work	Unit	Quantity	Rate in Rs.		Amount in Rs.
				In Fig	In Words	
1	Fabricating, supplying & erecting M.S. angular Truss of span upto 10m. The bottom & top member is provided with 50x50x6mm double equal angles, welded back to back and in between top & bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No.CBS/ SD/K-Mantap/9/MND/97. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification.	kg	8401.09	138.24	Rupees One Hundred Thirty Eight And Paise Twenty Four Only	1161367
2	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	sqm	23.13	3067.20	Rupees Three Thousand Sixty Seven And Paise Twenty Only	70944
3	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16).	Sqm	109.00	102.60	Rupees One Hundred Two And Paise Sixty Only	11183
4	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.No. 118, I.No. 15.60.1 of SR 2016-17).	sqm	14.99	104.76	Rupees One Hundred Four And Paise Seventy Six Only	1570
5	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar. using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.	sqm	42.88	4829.76	Rupees Four Thousand Eight Hundred Twenty Nine And Paise Seventy Six Only	207100
6	KSRB 4-7 : Providing 2 legged scaffolding for stone masonry work using 10-15 cms. dia best quality casurina poles of 4m over all length (3m +0.5m projection + 0.5m In to the ground), the distance between two rows being 1.25m and spacing of posts being 2m in both rows with 2 horizontal posts with 0.5 mm overlap on either side and braces at 2 m c to c including longitudinal and transveres middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per specifications	Sqm	354.00	141.60	Rupees One Hundred Forty One And Paise Sixty Only	50126

Contractor

Executive Engineer - 6

Sl. No.	Description of work	Unit	Quantity	Rate in Rs.		Amount
				In Fig	In Words	
7	Ventilators : Fixed louvers 4'-0" x 3'-0" (1219.2x914.4mm) (Box section) outer frame section size of 33x57mm mullion section.	Sqm	6.99	3760.56	Rupees Three Thousand Seven Hundred Sixty And Paise Fifty Six Only	26
8	KSRB 24-44 : Repairs to plaster in patches of 2.5 sqm and less in walls, ceilings 10 to 20mm thick in cement mortar 1:3 including cutting the patches in proper shape and replastering the surface of the wall including disposal of rubbish with a lead of 50m including curing cost of materials, labour, complete as per specifications. Specification No.KBS 24.2.1 (P.No. 131, I.No. 16.38 of SR 2016-17)	sqm	42.42	276.48	Rupees Two Hundred Seventy Six And Paise Forty Eight Only	11728
9	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	129.60	194.40	Rupees One Hundred Ninety Four And Paise Forty Only	25194
10	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	217.08	203.04	Rupees Two Hundred Three And Paise Four Only	44076
11	KSRRB 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications MORTH Chapter 8	Sqm	103.68	86.40	Rupees Eighty Six And Paise Forty Only	8958
12	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	307.03	97.20	Rupees Ninety Seven And Paise Twenty Only	29843
13	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Page No. 120 Item No. 15.74 of SR 2015-16).	Sqm	109.00	102.60	Rupees One Hundred Two And Paise Sixty Only	11183
14	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7.10 / 7.12 (P.No. 31, I.No. 7.5	Sqm	52.00	2815.56	Rupees Two Thousand Eight Hundred Fifteen And Paise Fifty Six Only	146409
15	KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 7.10.6 / 7.12	RMT	20.80	520.56	Rupees Five Hundred Twenty And Paise Fifty Six Only	10828
16	Supplying heavy gauge PVC conduit pipe .....dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., by groove cutting in wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.(2/1.3). **19/20mm dia 2mm thick. (P.NO.2 ,I.No. 1.3.1)**	Mtr	50.00	51.00	Rupees Fifty One Only	2550
17	Supplying heavy gauge PVC conduit pipe .....dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., by groove cutting in wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.(2/1.3). **25mm dia 2mm thick. (P.NO.2 ,I.No. 1.3.2)**	Mtr	75.00	54.00	Rupees Fifty Four Only	4050

Contractor

Executive Engineer - 6

No.	Description of work	Unit	Quantity	Rate in Rs..		Amount in Rs.
				In Fig	In Words	
18	Supplying heavy gauge PVC conduit pipe .....dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., by groove cutting in wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary (2/1.3). **32mm dia 2.5mm thick. (P.N0.2 ,I.No. 1.3.3)**	Mtr	75.00	81.00	Rupees Eighty One Only	6075
19	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V gradeCOPPER FRLS PVC insulated, 2x1.5SqmmCable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.(page no 5/item no 2.3) GROUP A **Short point up to 3Mtr from tapping point to out let via switch box**	Nos	25.00	160.00	Rupees One Hundred Sixty Only	4000
20	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V gradeCOPPER FRLS PVC insulated, 2x1.5SqmmCable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.(page no 5/item no 2.3) GROUP A **Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box**	Nos	25.00	250.00	Rupees Two Hundred Fifty Only	6250
21	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 1100 V gradeCOPPER FRLS PVC insulated, 2x1.5SqmmCable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.(page no 5/item no 2.3) GROUP A **Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box**	Nos	20.00	375.00	Rupees Three Hundred Seventy Five Only	7500
22	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper with low conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A .(page no5/Item no 2.3)**1.5 sqmm**	Mtr	150.00	20.50	Rupees Twenty And Paise Fifty Only	3075
23	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper with low conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A .(page no5/Item no 2.3) **2.5 sqmm**	Mtr	350.00	32.00	Rupees Thirty Two Only	11200
24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper with low conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A .(page no5/Item no 2.3) **4 sqmm**	Mtr	425.00	45.00	Rupees Forty Five Only	19125
25	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper with low conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A .(page no5/Item no 2.3) **6 sqmm**	Mtr	240.00	70.00	Rupees Seventy Only	16800
26	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.(pg no 9/item no 3.3) **1-3Way**	Nos	5.00	85.00	Rupees Eighty Five Only	425
27	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.(pg no 9/item no 3.3) **4-5Way**	Nos	3.00	103.00	Rupees One Hundred Three Only	309
28	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.(pg no 9/item no 3.3) **4-5Way**	Nos	5.00	115.00	Rupees One Hundred Fifteen Only	575
29	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.(pg no 9/item no 3.3) **10-12Way**	Nos	3.00	160.00	Rupees One Hundred Sixty Only	480
30	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box (page no 9/Item no 3.6) **1 to 3 Module**	Nos	5.00	110.00	Rupees One Hundred Ten Only	550

Contractor

Executive Engineer - 6

Sl. No.	Description of work	Unit	Quantity	Rate in Rs..		Amount
				In Fig	In Words	
31	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box (page no 9/Item no 3.6) **4 Module**	Nos	3.00	125.00	Rupees One Hundred Twenty Five Only	375
32	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box (page no 9/Item no 3.6) **8 Module**	Nos	5.00	200.00	Rupees Two Hundred Only	1000
33	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box (page no 9/Item no 3.6) **10-12 Module**	Nos	3.00	230.00	Rupees Two Hundred Thirty Only	690
34	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293(pgno 10/item no 3.6) GROUP A **6Amps one way**	Nos	5.00	70.00	Rupees Seventy Only	350
35	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293(pgno 10/item no 3.6) GROUP A **6Amps Two way**	Nos	3.00	95.00	Rupees Ninety Five Only	285
36	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293(pgno 10/item no 3.6) GROUP A **6Amps 3way socket**	Nos	5.00	105.00	Rupees One Hundred Five Only	525
37	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293(pgno 10/item no 3.6) GROUP A **6/16Amps universal socket**	Nos	5.00	162.00	Rupees One Hundred Sixty Two Only	810
38	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%, efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., shortcircuit & open circuit protection to be integrated in the circuit,THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.. (page no65/12.4.1) **12-15 watts**	Nos	15.00	1360.00	Rupees One Thousand Three Hundred Sixty Only	20400
39	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%, efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., shortcircuit & open circuit protection to be integrated in the circuit,THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.. (page no65/12.4.1) **15-18 watts (P No 64 ; I No 12.4.2)**	No	10.00	2000.00	Rupees Two Thousand Only	20000
40	Out Door Panel Board upto 20HP(PWD SR 2018-19) page no XLVII Item n 13)	set	1.00	21000.00	Rupees Twenty One Thousand Only	21000
41	Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 24No.5.6.6 KPWD Electrical SR 2019-20	Each	1.00	292.00	Rupees Two Hundred Ninety Two Only	292

Contractor

Executive Engineer - 6

No.	Description of work	Unit	Quantity	Rate in Rs..		Amount in Rs.
				In Fig	In Words	
42	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed. EXTREDED INNER SHEATHRD galvnised steel,stirp confirming IS 3975:1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1:1998 and confirming to GTP of group. (3.5 core 25 Sqmm) KPWD Electrical SR 2019-20 P No.55/ I No.6.4.5	Rmtr	35.00	180.00	Rupees One Hundred Eighty Only	6300
43	Labour charges for laying of 1.1 KV class UG cable, In existing trencg/duct 25Sqmm to75 Sqmm) KPWD Electrical SR 2019-20 P No. 61 / I No. 6.5.2	Rmtr	35.00	15.50	Rupees Fifteen And Paise Fifty Only	543
44	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete P No. 62/ I. No.6.6.4 KPWD Electrical SR 2019-20	Rmtr	35.00	113.00	Rupees One Hundred Thirteen Only	3955
45	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class P. No. 62/ I No6.9.1 KPWD Electrical SR 2019-20	Rmtr	3.00	335.00	Rupees Three Hundred Thirty Five Only	1005
46	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No.62/ I No. 6.10.2 KPWD Electrical SR 2019-20	No	1.00	270.00	Rupees Two Hundred Seventy Only	270
47	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 12 mm dia, (P No.55, I No. 6.1) KPWD Electrical SR 2019-20	No	2.00	2999.70	Rupees Two Thousand Nine Hundred Ninety Nine And Paise Seventy Only	5999
48	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete... Electrical SR 2014-15 P No44/I No 5.7.4 KPWD	each	6.00	349.00	Rupees Three Hundred Forty Nine Only	2094
49	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... P No62 I No 6.11.2 KPWD Electrical SR 2019-20	each	24.00	84.00	Rupees Eighty Four Only	2016
50	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications pno 47 IT 5.17.5 KPWD Electrical SR 2019-20	each	6.00	1336.00	Rupees One Thousand Three Hundred Thirty Six Only	8016
51	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete P.No. 49, I. No.6.40.2 KPWD Electrical SR 2019-20	Sqcm	43200.00	0.35	Rupees And Paise Thirty Five Only	15120

Contractor

Executive Engineer - 6